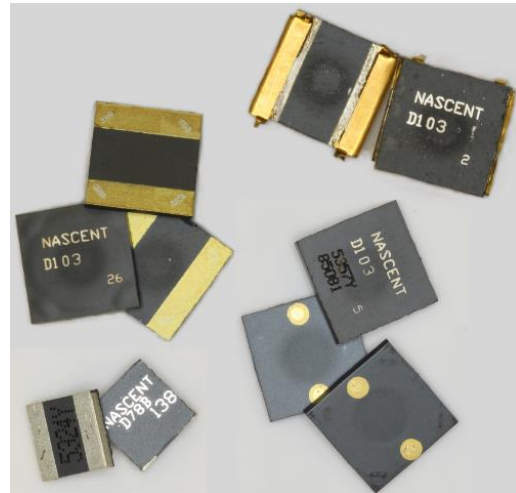


## LTCC High Temperature Inductors 0.15x0.15 inch (3.8x3.8 mm)

NASCENTTechnology, Inc. has developed a series of high temperature, RoHS compliant inductors using low temperature co-fired ceramic (LTCC) ferrite usable to 300°C that feature low profile, rugged packaging, and self shielding characteristics. See individual data sheets for part dimensions.



### Electrical Parameters at 25 °C unless otherwise noted

Part No.	No Load Inductance <sup>†</sup> μH	100 mA Inductance μH	100 mA Tolerance	Nominal DC Resistance ohms	Rated Current <sup>††</sup> mA	Saturation Current* mA
85093	0.9	0.9	25 %	0.4	-	275
85092	5.5	4.7	25%	1	-	225
85091	7	6	25 %	0.5	-	225
85078	8.5	7	25 %	0.25	-	275
85079	35	26	25%	1.4	-	250
85080	80	50	25 %	3.75	-	225

<sup>†</sup> Tolerance for no load inductance is ±25 %

<sup>††</sup> Current will cause a 35 °C temperature rise over ambient (measured 20 to 55 °C)

\* Saturation Current is the current that results in a 35% decrease in inductance over the 100 mA Inductance.

Thickness varies by part; the range is 0.032-0.100 in [0.8-2.54 mm]

Common termination options (please add option to the end of the part number when inquiring):

- A0 Thick film AgPt with side terminations, solderable
- C0 Thick film Au, Au wirebonding
- D0 Au over Ni, solderable
- D1 Au over Ni, Al wirebonding

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